23UIM21 — OBJECT ORIENTED PROGRAMMING LANGUAGE C++

Time : Three hours　　　　　　Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List out the advantages of OOPS.

2. Compare "break" and "continue" statements.

3. How to declare static Variable in C++?

4. Define the term – Constructor.

5. Summarize the term – Operator overloading.

6. Define the term – Multiple inheritance.

7. What is Array?

8. What is Polymorphism?

9. Classify the File modes.

10. Point out the uses of miscellaneous Functions.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Discuss briefly about the I/O in C++.

Or

(b) Illustrate in brief about the "switch-case" statement.

12. (a) Examine the Member function with example.

Or

(b) Compare and contrast the Types of constructors.

13. (a) Discuss about the Type conversion.

Or

(b) Write notes on Abstract classes.

14. (a) Explain in brief on Characteristics of Array.

Or

(b) Elaborate the "new" and "delete" operators.

15. (a) Write notes on read/write operations.

Or

(b) Write and explain the steps in declaring and initializing String objects.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain about Functions in C++.

17. Analyze the steps involved in adding bit fields and classes.

18. Sketch out user view of Operator overloading.

19. Sketch and identify the steps involved in implementing Pointers in base and derived classes.

20. Elaborate on the Binary and ASCII files with example.

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